

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-010887**Date Inspected:** 24-Dec-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:****CWI Present:****Yes No****Inspected CWI report:** **Yes No N/A****Rod Oven in Use:** **Yes No N/A****Electrode to specification:** **Yes No N/A****Weld Procedures Followed:** **Yes No N/A****Qualified Welders:** **Yes No N/A****Verified Joint Fit-up:** **Yes No N/A****Approved Drawings:** **Yes No N/A****Approved WPS:** **Yes No N/A****Delayed / Cancelled:** **Yes No N/A****Bridge No:** 34-0006**Component:** Cross Beam, Deck Panel**Summary of Items Observed:**

On this day Caltrans OSM Quality Assurance (QA) Inspector Christopher D'souza was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhen Hua Port Machinery Company (ZPMC) at Chang Xing Island in Shanghai, China. QA Inspector observed and/or found the following:

CB 8

This QA Inspector witnessed ABF Inspectors performing UT of CB202A-008-001, 002,003 and CB202A-008-013, 014 and 015
(DP-SP – W and E)

This QA Inspector performed conventional UT (Ultrasonic Testing) in conjunction with ABF UT department for detection of planar transverse indication.

UT performed on repair areas of CB202A-008-016, 017, 018 and CB202A-008-004,005, 006
Utilizing scanning pattern A, B, C and E (D not performed as weld is not flush ground)

See Caltrans Ultrasonic Transverse Indication Evaluation sheet dated December 24th, 2009 for further information on inspection.

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QA Inspector observed ZPMC NDT technician perform Magnetic Particle Testing (MT) on U-Rib to deck plate welds of DP 3006-001 (12AE).

MT performed on

PAUT Repair areas

VT Repair areas and

Cover pass of each weld

This Inspection is performed as per ZPMC Quality Control (QC) contract requirement.

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.

North Laydown

No Relevant work

Summary of Conversations:

No relevant conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 15000422372, who represents the Office of Structural Materials for your project.

Inspected By:	Dsouza,Christopher	Quality Assurance Inspector
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Reviewed By:	Carreon,Albert	QA Reviewer
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